

Your Ref. :

Date : 28-Jul-14

Laboratory Test Report No. 14-003477-0-WTHU

Oxytane UK Ltd

WD24 4DQ

FOR THE ATTENTION OF : Oxytane UK Ltd - James Jordan

SAMPLE DETAILS : 1 Samples received on 17-Jul-14

COMMENTS :
 Calibration carried out according to EN14078 using FAME as specified in EN 14214. If the sample contains other sources of FAME, these might not be reflected in the final results. Alternative methods can be used for full FAME analysis.

Sample meets EN 590 specification

DESCRIPTION : Diesel Sample **LAB REF.**
001-00

CONTAINERS : Plastic Bottle (5 litre)

RESULTS : SEE ATTACHED SHEETS

(TOTAL NUMBER OF PAGES 2)

Reported by: _____
 Jamie McCarthy, Customer Support Manager

Tests marked with an asterisk(*) in this report are not included in the UKAS accreditation schedule for our laboratory.



<u>Test</u>		<u>Method</u>	<u>001-00</u>
Colour		Visual*	Yellow
Water and Sediment, % (v/v)		Visual*	None Visible
Cetane Number		EN ISO 5165	54.5
Density at 15 oC	kg/m3	EN ISO 12185	836.0
Cetane Index		EN ISO 4264	53.7
Cold Filter Plugging Point	°C	EN 116	-12
Cloud Point	°C	EN 23015	-6
Monocyclic Aromatics	% (m/m)	EN 12916	20.3
Dicyclic Aromatics	% (m/m)	EN 12916	2.4
Tri+ -Aromatics	% (m/m)	EN 12916	0.4
Polycyclic Aromatics	% (m/m)	EN 12916	2.8
Total Aromatics	% (m/m)	EN 12916	23.1
Sulphur Content	mg/kg	EN ISO 20846	6.6
Flash Point	°C	EN ISO 2719	63.0
Micro Carbon Residue on 10% Res	% (m/m)	EN ISO 10370	<0.01
Ash Content at 775 oC	% (m/m)	EN ISO 6245	0.001
Water	mg/kg	EN ISO 12937	90
Total Contamination	mg/kg	EN 12662*	<6.0
Copper Corrosion 3 hrs.at 50 oC		EN ISO 2160	1A
Oxidation Stability	g/m3	EN ISO 12205	3
Lubricity	microns	EN ISO 12156-1	191
Kinematic Viscosity at 40 oC	mm2/s	EN ISO 3104	2.824
F.A.M.E.	% (v/v)	EN 14078	3.5
Range		EN 14078	B
I.B.P	°C	ASTM D86	181.8
5% v rec. at	°C	ASTM D86	204.7
10% v rec. at	°C	ASTM D86	216.2
20% v rec. at	°C	ASTM D86	230.5
30% v rec. at	°C	ASTM D86	245.5
40% v rec. at	°C	ASTM D86	260.0
50% v rec. at	°C	ASTM D86	273.8
60% v rec. at	°C	ASTM D86	287.3
70% v rec. at	°C	ASTM D86	301.1
80% v rec. at	°C	ASTM D86	316.2
90% v rec. at	°C	ASTM D86	333.3
95% v rec. at	°C	ASTM D86	344.6
F.B.P	°C	ASTM D86	359.4
% v rec. at 180 oC	% (v/v)	ASTM D86	0.0
% v rec. at 250 oC	% (v/v)	ASTM D86	32.8
% v rec. at 340 oC	% (v/v)	ASTM D86	93.3
% v rec. at 350 oC	% (v/v)	ASTM D86	96.4
Recovery	% (v/v)	ASTM D86	99.1
Residue	% (v/v)	ASTM D86	0.9
Loss	% (v/v)	ASTM D86	0.0
Manganese	mg/L	prEN 16576*	<0.5
Filter Blocking Tendency		IP 387 Proc. B	1.02
Initial Pressure	kPa	IP 387 Proc. B	15
Final Pressure	kPa	IP 387 Proc. B	20
Temperature	°C	IP 387 Proc. B	21
Volume Pumped	ml	IP 387 Proc. B	300
Oxidation Stability, 110 oC	Hours	EN 15751-2	>20.0